

5.7 Light, Glare and Shadow Effect

5.7.1 Environmental Setting

Lighting at the current facility is minimal and confined to the area around buildings. Some light standards currently existing on-site are in excess of 16 feet tall. All lighting is directed towards buildings and not outward from the site.

5.7.2 Project Impacts Prior to Mitigation

The lighting at the Musick Jail after expansion will also be confined to the buildings. Lighting fixtures will be similar to those already present on site. Interior lighting for the parking structures is not considered an unusual or significant impact, especially considering the distance from residential uses and the fact that the garages are blocked from view by the jail buildings.

Street lights are proposed along Alton Parkway in its project report. Street lights on a street that size are typically 30 feet tall with 16,000 lumens output. This is taller and brighter than the exterior lighting to be used in the jail complex, and therefore light and glare is not considered a significant effect.

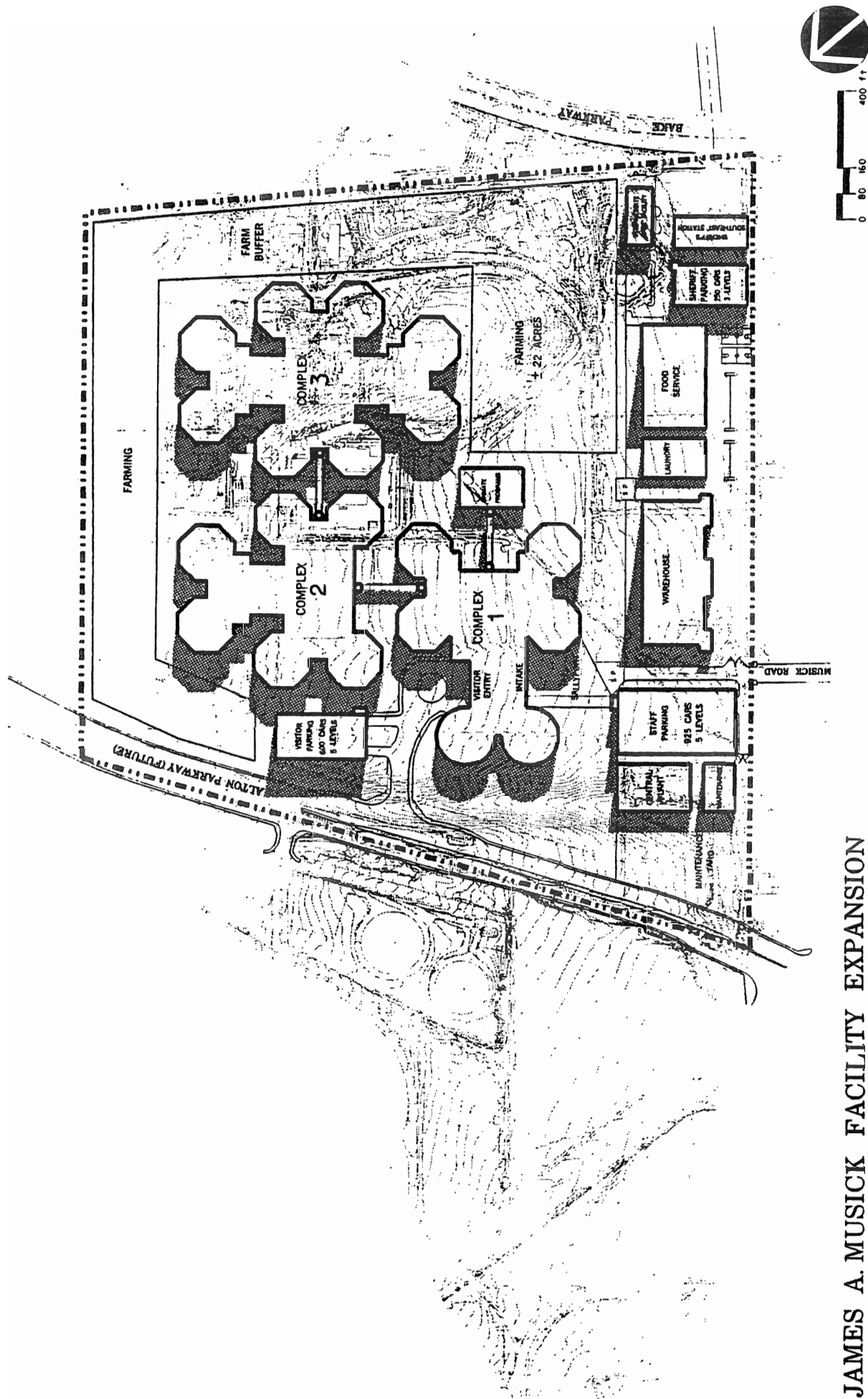
Exhibit 19 and Exhibit 20 depict the shadows cast by the buildings on a worst case day based on two different solar azimuths. Evidence shows that shadow effects will not be significant on either the surrounding land uses or on agricultural production.

5.7.3 Mitigation Measures

41. *Prior to the issuance of construction bid documents for exterior electrical fixtures, the County Planning and Development Services Department shall ensure that lighting rays are confined to the areas surrounding buildings.*

5.7.4 Level of Significance After Mitigation

Although no impacts are anticipated in this area, the above mitigation measure will ensure that the intent of this discussion continues to be met.



JAMES A. MUSICK FACILITY EXPANSION



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SHADOW PLAN - 12/21/96, 9:00 a.m.

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EXHIBIT 19

